

WHAT IS CLAIMED IS:

1. A recording method comprising:

a step of ejecting onto a recording material  
ink having a  $K_a$  value of not more than 3 ( $\text{ml} \cdot \text{m}^{-2} \cdot \text{msec}^{-1/2}$ );

applying to the ink deposited on the  
recording material processing liquid having a  $K_a$  value  
of not less than 5 ( $\text{ml} \cdot \text{m}^{-2} \cdot \text{msec}^{-1/2}$ ) to insolubilized  
a coloring material in the ink inside the recording  
material;

wherein the processing liquid is applied to  
the ink after rapid swell start point ts after  
penetration of the ink into the medium passes after  
the ink is deposited on the recording material.

2. A recording method comprising:

ejecting onto a recording material ink having  
a  $K_a$  value not less than 1 ( $\text{ml} \cdot \text{m}^{-2} \cdot \text{msec}^{-1/2}$ ); then

applying heat to the ink; and

applying to the ink processing liquid having  
a  $K_a$  value not less than 1 ( $\text{ml} \cdot \text{m}^{-2} \cdot \text{msec}^{-1/2}$ ).

3. A recording method comprising:

ejecting to a recording material ink having a  
 $K_a$  value not more than 1 ( $\text{ml} \cdot \text{m}^{-2} \cdot \text{msec}^{-1/2}$ ) and having  
a penetration property which increases with heat; then  
applying heat to the ink; and

sub  
B  
B  
cont.

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claim 1 or 5

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material.

9. A method according to Claim 1 or 8, wherein  
the ink and the processing liquid is ejected to the  
5 recording material by generating a bubble by  
application of thermal energy to the ink and to the  
processing liquid.

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sub  
B2  
contd

AD3  
B  
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